



**Postdoctoral position in Neuroimaging
McLean Imaging Center
McLean Hospital, Harvard Medical School**

A postdoctoral fellow or research associate position (3-year, renewable) are opening in the McLean Imaging Center at McLean Hospital/Harvard Medical School. The candidate will participate in studies with MRI/MRS technique developments with translational imaging, including human subjects and animal models. Multimodal neuroimaging techniques (fMRI, DTI, ASL, MRS) are used to outline the trajectories of biological development in the early phase of diseases and identify a sensitive predictor for the diseases' progression and treatment response, supported by the newly NIH funded grants. The primary focus will be on brain biochemistry, function and structures in neuropsychiatric disorders (schizophrenia, depression, and Alzheimer's). Collaborated and industrial sponsored projects on drug addiction and gene therapy would be involved.

The Imaging Center at McLean Hospital has a state-of-art facility including two Siemens 3T scanners (Trio and Prisma), a Varian 4T human whole-body MRI scanner and a 9.4T Varian horizontal animal imaging system. A 7T Siemens human scanner at the Athinoula A. Martinos Center for Biomedical Imaging at Massachusetts General Hospital is accessible for the particular interesting.

The postdoctoral candidate would have a background in biomedical engineering, physics, neuroscience, or a related discipline with experience in MRI/MRS. Programming skills in C/C++, Matlab, and Unix/Linux and scientific computing are highly desired. Experience with image or spectroscopy data processing such as FSL, SPM, LCmodel would be very helpful.

This position is available immediately and salary is commensurate with the experience. McLean and Harvard offer excellent programs for the career development. McLean is an equal opportunity and affirmative action employer committed to diversity and inclusion in all aspects of recruiting and employment.

To be considered for this position, please send your CV, a cover letter with a statement of research interests and three referees to:

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Associate Professor

Director, Laboratory for High-Field Imaging and Translational Neuroscience

Director, Advanced MRI and MRS Core

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